



Dr Nilesh Kumar Jadav

Associate Professor & Program Head
(CSE-AI(PBL))

Computer Science & Engineering - AI, ML & DS
Marwadi University, Rajkot, India

+91-9023614003

✉ nilesh.jadav@marwadieducation.edu.in

ORCID LinkedIn

YouTube

KEY STRENGTHS

- Excellent communication skills, both written and verbal, demonstrated through experience in public speaking and delivering presentations to large audiences.
- Proficient problem-solving skills, demonstrated through experience in identifying complex issues and developing effective solutions to improve efficiency and productivity.
- Exceptional organizational skills through effective management of resources, scheduling, and prioritization of tasks to achieve optimal results.
- Creative thinking and problem-solving abilities by developing innovative solutions and approaches to complex problems.

QUICK PROFILE SUMMARY

- Authored/Co-authored over **120+** research publications (including **45+** journal papers, **60+** papers indexed in SCOPUS, and **35+** papers published in SCI/SCIE indexed Journals, including IEEE/Wiley/Elsevier/Springer).
- Publication in Highest Impact Factor SCI indexed journal: **9.9 (IEEE Transactions on Industrial Informatics-TII)**.
- Total Citations as per **Google Scholar 1600+** with **h-index 25** and as per **SCOPUS 1000+** with **h-index 19**.
- **Cummulative Impact Factor** (as per JCR 2024): **129.6**, Publication in **Highest Impact Factor: 9.9**, **Average Impact Factor: 2.7** (as of 11th April 2025)
- Won **Best Paper Award in IEEE SCIoT 2022**, Ferdowsi University of Mashhad, UAE, Sep 14-15, 2022.
- Awarded a "**Top Downloaded Article**, "**Top Cited Article**" from the International Journal of Communication System (IJCS, Wiley), (**SCI, IF: 1.5**) between 2021-2022, Concurrency and Computation: Practice and Experience, (Wiley), (**SCIE, IF: 1.5**) between January 2023- December 2023, and Software: Practice and Experience, (Wiley), (**SCIE, IF: 2.6**), between January 2023- December 2023.
- **Two Times MVP** on an online platform - **csharpcorner.com** with **79 rank** and **23.2k reputations**.

RESEARCH INTERESTS AND TECHNICAL SKILLS

Areas of Interest: Wireless Networking, Cybersecurity, Machine Learning, Deep Learning, Blockchain

Languages: C sharp, Python, MATLAB, Java, C, C++, HTML, CSS, JavaScript

Developer Tools: MATLAB, Google Colab, Jupyter Notebook, Remix Ethereum, Visual Studio, Metasploit

Cloud/Databases: Microsoft SQL Server, MySQL

ACHIEVEMENTS

- Qualified/Cleared University Grant Commission (UGC)-based **National Eligibility Test for Assistant Professor (UGC-NET)** exam held on 24th June, 2019 in the subject Computer Science and Applications.
- One of the research article, **Jadav, N. K.**, Gupta, R. Tanwar, S, "**Artificial neural network-driven federated learning for heart stroke prediction in healthcare 4.0 underlying 5G**", Concurrency and Computation: Practice and Experience, Wiley, vol. 36, issue 3, pp. 1-32, 2023 is recognized as **Top Cited Article** in 2023 (evaluated on 31st December-2023) by Concurrency and Computation: Practice and Experience, Wiley (**SCI, Impact Factor: 1.5**)
- One of the research article, **Jadav, N. K.**, Gupta, R. Tanwar, S, "**Quantum Machine Learning-based framework to detect heart failures in Healthcare 4.0**", Software: Practice and Experience, Wiley, vol. 54, issue 2, pp. 1-35, 2023 is recognized as **Top Cited Article** in 2023 (evaluated on 31st December-2023) by Software: Practice and Experience, Wiley (**SCI, Impact Factor: 2.6**)
- One of the research article, **Jadav, N. K.**, Gupta, R. Tanwar, S, "**A survey on energy-efficient resource allocation schemes in device-to-device communication**", International Journal Communication Systems, Wiley, vol. 35, issue 8, pp. 1-32, 2022 is recognized as **Top Downloaded Article** in 2021-2022 (evaluated on 19th March-2023) by International Journal of Communication Systems, Wiley (**SCI, Impact Factor: 1.7**)
- **Certificate of Reviewing** in recognition of the review contributed to the Computer Network Journal (**SCI, IF: 5.6**)
- Received a **Best Research Paper Award** for the paper titled "Blockchain and AI-based Secure Onion Routing Framework for Data Dissemination in IoT Environment Underlying 6G Networks in 6th the Sixth International Conference on Smart Cities, Internet of Things and Applications (IEEE SCIoT 2022) held virtually in the Ferdowsi University of Mashhad, Sep 14 - 15, 2022.
- Achieved **2 Times MVP (Most Valuable Professional)** at **csharpcorner.com**, with Rank 79 with 8.9 m Readers. (<https://www.csharpcorner.com/members/nilesh-jadav>)
- **Project Mentor** at **Global India Hackathon 2019** for the topic entitled "Lightweight-web application similar to WhatsApp."

- July 2020, Participation certificate for **Active Instructor in the Cisco Networking Academy program**. I delivered Cisco Networking Academy courses to the students.
- Certificate of Appreciation for **active contribution as Faculty Coordinator** for Regional Level Competition of Gujarat Industrial Hackathon 2019 conducted by Gujarat Knowledge Society and Student Start-up and Innovation Policy (SSIP) Appreciates.
- **Certificate of Appreciation** for coordinating in **5 day STTP on Virtual Labs Development (BootCamp)** organized by Marwadi University in co-ordination with IITB and sponsored by GUJCOST, DST, and Government of Gujarat between 5th - 9th Feb 2018.
- September 2017, Participation certificate for participating in **Virtual Lab Orientation and Training session** organized by the Nodal Center, Marwadi University, in coordination with IIT Bombay.
- May 2013, Participation certificate for enrolling in **I-Leverage competition for the content management system (CMS)** from WebNet InfoTech Pvt. Ltd.

FOREIGN VISITS FOR ACADEMIC/ RESEARCH PURPOSES

- **Pitesti, Romania** selected to perform Staff Mobility for Training under **Erasmus+ Mobility Agreement**, April 19-25, 2026.
- **Kuala Lumpur, Malaysia** to present a research paper at the **IEEE International Conference on Global Communication (IEEE-Globecom-2023)**, December 4-8, 2023, organized by IEEE Communication Society.

CITATIONS OF THE RESEARCH WORK

- **Total Citations as per Google Scholar 1720+**
h-index 25
i10-index 48
- **Total Citations as per SCOPUS 1000+**
h-index 19

EDUCATION

- **Nirma University** 2021-2024
Doctor of Philosophy (Ph.D.), Ahmedabad, India Full Time PhD Scholar
- **Marwadi Education Foundation Group of Institutions (MEFGI)** 2016-2018
Master of Engineering (M. E.), Rajkot, India CGPA: 9.36
- **Sanjaybhai Rajguru College of Engineering** 2010-2014
Bachelor of Engineering (B. E.), Rajkot, India CGPA: 8.63
- **Army School Ahmedabad Cantt** 2009-2010
Central Board of Secondary Education, Ahmedabad, India
- **Army School Ahmedabad Cantt** 2007-2008
Central Board of Secondary Education, Ahmedabad, India

EXPERIENCE

- **Citadel Infotech (Industrial Experience)** April 2015 - Dec 2015
SEO Analyst - Full Time Rajkot
 - Optimizing copy and landing pages for search engine optimization.
 - Performing ongoing keyword research, including discovery and expansion of keyword opportunities.
 - Researching and implementing content recommendations for organic SEO success.
 - Monitor daily performance metrics to understand SEO strategy performance.
 - Handle Google Analytics to check the performance of the client website.
- **Marwadi University (Academic Experience)** June 2018 - August 2021
Assistant Professor - Full Time Rajkot
 - Teaching and supervising undergraduate and graduate students.
 - Providing demonstrations and supervising experiments and investigations.
 - Prepare exam question papers and assess them as per the university policy.
 - Conducting research and publishing papers in academic journals.
 - Representing the university at conferences and delivering presentations when necessary.

•Nirma University (Academic Experience)

2021 - 2024

Teaching Assistant (Full Time PhD Scholar) - Full Time

Ahmedabad

- Assisted faculty in delivering lectures, managing course materials, and conducting tutorials for undergraduate courses.
- Supported students through doubt-solving sessions, assignment evaluation, and practical lab supervision.

•Marwadi University (Academic Experience)

Sep 2024 - Till now

Assistant Professor - Full Time

Rajkot

- Teaching and supervising undergraduate and graduate students.
- Conducting and publishing high-impact research in peer-reviewed academic journals.
- Leading independent and collaborative research projects in emerging areas of computer science and engineering.
- Mentoring students on advanced research methodologies and experimental design.
- Presenting research findings at national and international conferences, symposia, and workshops.

ADMINISTRATIVE EXPERIENCE

1. **Program Head - Headed the Department of CSE-AI (Project Based Learning (PBL))** from August 2025 - Present
2. **Coordinator for NVIDIA DGX H100** - Center of Excellence from Sep. 2024 - Present.
3. Serving as a **DRC Member and Secretary** for different research activities from June 2025 - Present.
4. Served as "Pre-Audit Committee member for Question paper evaluation" at Departmental Level.
5. Worked as **Final Year Project Coordinator** from Sep. 2020 - July 2021.
6. Handled **offline CO-PO mapping and attainment** analysis manually for outcome based education.

RESEARCH GUIDANCE

Ph.D. Thesis (In Progress)

1. Ms. V. Singh (92500832010), part time research scholar pursuing Ph.D. in "Blockchain-enabled Smart Environmental Regulation for Oxygen Balance under my guidance since 01.06.2025 from Faculty of Engineering & Technology, Marwadi University, Rajkot, Gujarat, India.
2. Mr. GENETU ASMAMAW MINIE (92500832002), part time research scholar pursuing Ph.D. in "Optimized Federated Learning-based Intrusion Detection System in IoT under my guidance since 01.06.2025 from Faculty of Engineering & Technology, Marwadi University, Rajkot, Gujarat, India.

PUBLICATIONS DURING PHD RESEARCH WORK

Journal Publications

1. **N. K. Jadav**, S. Tanwar, "Whale Optimization-Based Access Control Scheme in D2D Communication Underlying Cellular Networks," in *IEEE Transactions on Network and Service Management (IEEE TNSM)*, pp. 1-12, 2024, doi: 10.1109/TNSM.2024.3362883 (**SCI, WoS, Impact Factor - 4.7**)
2. **N.K. Jadav**, S. Tanwar, "AI-enabled Access Control Schemes for D2D Communication: A Comprehensive Review", in *Computer Communications*, pp. 1-22, 2023. [Current Status: Under Review]. (**SCI, WoS, Impact Factor: 4.5**).
3. **N. K. Jadav**, S. Tanwar, "Whale Optimization-Orchestrated Federated Learning-based Resource Allocation Scheme for D2D Communication," *Ad Hoc Networks, Elsevier*, pp. 1-22, 2024, doi: 10.1016/j.adhoc.2024.103565. (**SCI, WoS, Impact Factor: 4.4**)
4. **N.K. Jadav**, S. Tanwar, "*FL-ORA*: Optimized and Decentralized Resource Allocation Scheme for D2D Communication", in *IEEE Transactions on Network and Service Management (IEEE TNSM)*, pp. 1-17, 2024. doi: 10.1109/TNSM.2025.3591644 (**SCI, WoS, Impact Factor - 4.7**)
5. **N.K. Jadav**, S. Tanwar, "Joint Access Control and Resource Allocation Scheme for D2D Communication Underlying Cellular Networks", in *IEEE Transactions on Network and Service Management (IEEE TNSM)*, pp. 1-10, 2024. [Current Status: Under Review]. (**SCI, WoS, Impact Factor: 4.7**)

Conference Publications

1. **N. K. Jadav** and S. Tanwar, "Optimization and Cognitive Radio-Assisted Access Control Scheme for D2D Communication," 2023 *IEEE 11th Region 10 Humanitarian Technology Conference (R10-HTC)*, Rajkot, India, 2023, pp. 737-742, doi: 10.1109/R10-HTC57504.2023.10461884. **(Indexing in IEEEXplore as well as in SCOPUS)**
2. **N. K. Jadav**, T. Rathod and S. Tanwar, "Channel Coding-Based Resource Allocation Scheme for Device-to-Device Communication," 2023 *IEEE 11th Region 10 Humanitarian Technology Conference (R10-HTC)*, Rajkot, India, 2023, pp. 754-759, doi: 10.1109/R10-HTC57504.2023.10461780. **(Indexing in IEEEXplore as well as in SCOPUS)**
3. **N. K. Jadav**, S. Tanwar, "SURAKSIT: A Secure Resource Allocation Scheme Using Whale Optimization for D2D Communication", *IEEE CONECCT 2024*, Indian Institute of Science, Bengaluru, Karnataka, 12th - 14th July, 2024. **(Indexing in IEEEXplore as well as in SCOPUS)**

SPONSORED RESEARCH PROJECTS & CONSULTANCY

1. **Title: Blockchain and Artificial Intelligence-Driven Secure Logistics Delivery System Using Drones for Healthcare 5.0**
Funding Agency : Deanship of Scientific Research, University of Jeddah
PI : Dr. Sudeep Tanwar, Nilesh Kumar Jadav (Co-Investigator)
Amount : SAR 70,000
Duration : 2022-2023
CURRENT STATUS: Completed
2. **Title: AI-Enabled Spatio-Temporal Poverty Estimation in India using Multi-Source Satellite Imagery, Climate Anomalies and Commodity Price Signals**
Funding Agency : ANRF - Prime Minister Early Career Research Grant **Core Team: Dr. Nilesh Kumar Jadav**
Amount : INR 60 Lakhs
Duration : 2025-2026
CURRENT STATUS: Approved
3. **Title: AI-enabled Post-harvest Loss Reduction and Supply Chain Optimization Framework**
Funding Agency : AI & Agri Tech Ideation Program 2025 Applications
Core Team: Dr. Nilesh Kumar Jadav
Amount : INR 40 Lakhs
Duration : 2025-2026
CURRENT STATUS: Submitted

Journals	Conferences	Books			Book Chapters
		Authored	Edited	Conf. Proceedings	
48	79	00	01	00	3

JOINT RESEARCH PUBLICATIONS IN REFERRED JOURNALS (PUBLISHED)

1. **N. K. Jadav**, *et al.*, "Deep Learning and Onion Routing-based Collaborative Intelligence Framework for Smart Homes underlying 6G Networks," in *IEEE Transactions on Network and Service Management*. [Online] **(SCI, SCOPUS, WoS, Impact Factor: 4.7)**
2. T. Rathod, **N.K. Jadav**, *et al.* "Blockchain for Future Wireless Networks: A Decade Survey", in *MDPI Sensors*, 2022, 22, 4182, [Online] **(SCI, SCOPUS, WoS, Impact Factor: 3.4)**
3. S. Chaudhary, R. Kakkar, **N.K. Jadav**, *et al.*, "A Taxonomy on Smart Healthcare Technologies: Security Framework, Case Study, and Future Directions", in *Journal of Sensors, Wiley*, vol. 2022, Article ID 1863838, 30 pages, 2022. [Online] **(SCI, SCOPUS, WoS, Impact Factor: 1.4)**

4. **N.K. Jadav**, *et al.*, "A survey on energy-efficient resource allocation schemes in device-to-device communication" in *International Journal of Commun Syst.* 2022; 35(8):e5112. doi:10.1002/dac.5112, [Online] (**SCI, SCOPUS, WoS, Impact Factor: 1.7**)
5. S. Tanwar, A. Parmar, A. Kumari, **N.K. Jadav**, *et al.*. "Blockchain Adoption to Secure the Food Industry: Opportunities and Challenges", in *MDPI Sustainability*, 2022, 14, no.12: 7036., [Online] (**SCI, SCOPUS, WoS, Impact Factor: 3.3**)
6. R. Gupta, **N. K. Jadav**, *et al.*, "Blockchain and Onion Routing-based Secure Message Exchange System for Edge-enabled IIoT," in *IEEE Transactions on Industrial Informatics*, 2022, doi: 10.1109/TII.2022.3191444, [Online] (**SCI, SCOPUS, WoS, Impact Factor: 11.7**)
7. H. Mankodiya, P. Palkhiwala, R. Gupta, **N.K. Jadav**, *et al.* "A Real-Time Crowdsensing Framework for Potential Covid Carrier Detection using Wearable Sensors" in *MDPI Mathematics*, pp. 1-13, 2022, [Online] (**SCI, SCOPUS, WoS, Impact Factor: 2.3**)
8. D. Patel, H. Sanghvi, **N.K. Jadav**, *et al.*, "BlockCrime: Blockchain and Deep Learning-based Collaborative Intelligence Framework to Detect Criminal Activities for Public Safety" in *MDPI Mathematics*, pp. 1-13, 2022, [Online] (**SCI, SCOPUS, WoS, Impact Factor: 2.3**)
9. **N.K. Jadav**, *et al.* "AI-driven network softwarization scheme for efficient message exchange in IoT environment beyond 5G" in *International Journal of Communication System (Wiley - IJCS)*, pp. 1-19, 2022, [Online] (**SCI, SCOPUS, WoS, Impact Factor: 1.7**)
10. **N. K. Jadav** *et al.*, "Blockchain-Based Secure and Intelligent Data Dissemination Framework for UAVs in Battlefield Applications," in *IEEE Communications Standards Magazine*, vol. 7, no. 3, pp. 16-23, September 2023, doi: 10.1109/MCOMSTD.0005.2200052. [Online]
11. **N. K. Jadav**, *et al.*, "Blockchain-Assisted Onion Routing Protocol for Internet of Underwater Vehicle Communication," in *IEEE Internet of Things Magazine*, vol. 5, no. 4, pp. 30-35, December 2022, doi: 10.1109/IOTM.001.2200092. [Online]
12. M. Munshi, M. Patel, F. Alqahtani, A. Tolba, R. Gupta, **N. K. Jadav**, *et al.*, "Artificial Intelligence and Exploratory Data Analysis-based Initial Public Offerings Gain Prediction for Public Investors", in *MDPI, Sustainability*, pp. 1-14, 2022, doi: <https://doi.org/10.3390/su142013406>. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 3.3**)
13. R. Parekh, N. Patel, R. Gupta, **N. K. Jadav** *et al.*, "GeFL: Gradient Encryption-Aided Privacy Preserved Federated Learning for Autonomous Vehicles," in *IEEE Access*, vol. 11, pp. 1825-1839, 2023, doi: 10.1109/ACCESS.2023.3233983. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 3.4**)
14. **N. K. Jadav**, *et al.*, "GRADE: Deep learning and garlic routing-based secure data sharing framework for IIoT beyond 5G" *Digital Communications and Networks*, pp. 1-15. [Online: November 2022]. doi: <https://doi.org/10.1016/j.dcan.2022.11.004>. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 7.5**).
15. D. Jadav, **N.K. Jadav**, *et al.*, "A Trustworthy Healthcare Management Framework using Amalgamation of AI and Blockchain Network" in *MDPI Mathematics*, 2023, 11, 637. <https://doi.org/10.3390/math11030637>. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 2.3**)
16. H. Shah, D. Shah, **N.K. Jadav**, *et al.*, "Deep Learning-based Malicious Smart Contract and Intrusion Detection System for IoT Environment", in *MDPI Mathematics*, vol. 11(2) pp. 1-13, 2023, doi: <https://doi.org/10.3390/math11020418>. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 2.3**)
17. **N. K. Jadav**, *et al.*, "Blockchain and artificial intelligence-empowered smart agriculture framework for maximizing human life expectancy" *Computers and Electrical Engineering*, vol. 105, pp. 1-13. [Online: January 2023]. doi: <https://doi.org/10.1016/j.compeleceng.2022.108486>. (**SCI, SCOPUS, WoS, Impact Factor: 4.0**)
18. T. Rathod, **N.K. Jadav**, *et al.*, "Blockchain-Driven Intelligent Scheme for IoT-Based Public Safety System beyond 5G Networks", in *MDPI Sensors*, vol. 23(2) pp. 1-23, 2023 doi:<https://doi.org/10.3390/s23020969>. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 3.4**)

19. J. Raval, P. Bhattacharya, **N.K. Jadav**, *et al.*, "RaKShA: Trusted Explainable LSTM to Classify Fraud Patterns on Credit Card Transactions", in *MDPI Mathematics*, vol. 11(8) pp. 1-22, 2023
doi: <https://doi.org/10.3390/math11081901>. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 2.3**)
20. N. Patel, N. Vasani, R. Gupta, **N.K. Jadav**, *et al.*, "Convolutional Neural Network and UAV-based Public Safety Framework for Human Life Protection", in *International Journal of Communication System (Wiley - IJCS)*, pp. 1-17, 2023. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 1.7**)
21. R. Bhavsar, **N. K. Jadav**, *et al.*, "Classification of Potentially Hazardous Asteroids Using Supervised Quantum Machine Learning", in *IEEE Access*, pp. 75829 - 75848, 2023, doi: 10.1109/ACCESS.2023.3297498. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 3.4**)
22. **N. K. Jadav**, *et al.*, "Blockchain-Envisioned Onion Routing Framework for Internet of Vehicles Communication toward 6G," in *IEEE Internet of Things Magazine*, vol. 7, no. 1, pp. 82-88, January 2024, doi: 10.1109/IOTM.001.2300156. [Online]
23. H. Mankodiya, P. Palkhiwala, R. Gupta, **N. K. Jadav**, S. Tanwar, *et al.*, "Deep Learning-based Robust Morphed Face Authentication Framework for Online Systems" in *Tech Science Press CMC-Computers, Materials & Continua (TechScience)*, pp. 1-10. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 2.0**)
24. T. Rathod, R. Gupta, **N. K. Jadav**, and S. Tanwar "Fusion of AI and Game Theory for Secure Resource Allocation in NOMA-assisted D2D Cooperative Communication", in *International Journal of Communication System (Wiley - IJCS)*, pp. 1-18, 2023, doi:10.1002/dac.5556. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 1.7**)
25. M. Manushi, R. Gupta, **N. K. Jadav**, *et al.*, "Quantum Machine Learning-based Framework to Detect Heart Failures in Healthcare 4.0", in *Software: Practice and Experience Editorial Office (Wiley)*, pp. 1-15, 2023, doi:10.1002/spe.3264. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 2.6**)
26. H. Sanghvi, R. Bhavsar, V. Hundlani, L. Gohil, T. Vyas, A. Nair, S. Desai, **N. K. Jadav**, S. Tanwar, "MetaHate: AI-based Hate Speech Detection for Secured Online Gaming in Metaverse using Blockchain", in *Security and Privacy (Wiley)*, pp. 1-15, 2023, doi:10.1002/spy2.343. [Online] (**ESCI, SCOPUS, WoS, Impact Factor: 1.5**)
27. H. Bhatt, **N.K. Jadav**, *et al.*, "ANN-driven Federated Learning for Heart Stroke Prediction in Healthcare 4.0 Underlying 5G" in *Concurrency and Computation: Practice and Experience (Wiley)*, vol. 36(3), pp. 1-13, 2023. doi:10.1002/cpe.7911. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 1.5**)
28. K. Shah, **N. K. Jadav**, S. Tanwar, "AI and Blockchain-Assisted Secure Data-Exchange Framework for Smart Home Systems ", in *Mathematics, MDPI*, vol. 11(19), pp. 1-15, 2023. doi: 10.3390/math11194062. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 2.3**)
29. S. Desai, K. Patel, A. Patel, **N. K. Jadav**, S. Tanwar, "A Survey on AI-based Parkinson Disease Detection: Taxonomy, Case Study, and Research Challenges", in *Scalable Computing: Practice and Experience*, pp. 14021423, 2024. Vol. 23(5). [Online] (**ESCI, SCOPUS, WoS, Impact Factor: 1.1**)
30. D. Patel, K. Shah, R. Gupta, **N. K. Jadav**, *et al.*, *et. al.* "Blockchain-based Crop Recommendation System for Precision Farming in IoT Environment", in *Agronomy, MDPI*, vol. 13(10), pp. 1-15, 2023. doi:10.3390/agronomy13102642. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 3.3**)
31. N. Patel, N. Vasani, **N. K. Jadav**, *et al.*, "*F-LSTM*: Federated Learning-based LSTM Framework for Cryptocurrency Price Prediction", in *Electronic Research Archive (AIMS)*, vol. 31(10), pp. 6525-6551, 2023. doi:10.3934/era.2023330. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 1.0**)
32. A. Padaria, A. A. Mehta, **N. K. Jadav**, *et al.*, "Traffic Sign Classification for Autonomous Vehicles Using Split and Federated Learning Underlying 5G", in *IEEE Open Journal of Vehicular Technology (OJVT)*, vol. 4, pp. 877-892, 2023, doi: 10.1109/OJVT.2023.3326286. [Online] (**ESCI, SCOPUS, WoS, Impact Factor: 6.4**)
33. T. Rathod, **N. K. Jadav**, *et al.*, "AI and Blockchain-based Secure Data Dissemination Architecture for IoT-enabled Critical Infrastructure", in *Sensors, MDPI*, vol. 23(21), pp. 1-14, 2023. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 3.3**)

34. K. J. Raval, **N. K. Jadav**, *et al.*, "A Survey on Safeguarding Critical Infrastructures: Attacks, AI Security, and Future Directions", in *International Journal of Critical Infrastructure Protection*, Elsevier, vol.44, pp. 1-16, 2023. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 4.1**)
35. D. Thakkar, A. Thakker, R. Gupta, **N. K. Jadav**, *et al.*, "Blockchain-Orchestrated Intelligent Water Treatment Plant Profiling Framework to Enhance Human Life Expectancy", in *IEEE Access*, vol.12, pp. 49151 - 49166, 2024, doi:10.1109/ACCESS.2024.3384607. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 3.4**)
36. J. Akhyani, V. Desai, R. Gupta, **N. K. Jadav**, *et al.*, "AI and Game-based Efficient Resource Allocation and Interference Mitigation Scheme for D2D Communication", in *Physical Communication*, Elsevier, pp. 1-20, 2024, doi:10.1016/j.phycom.2024.102408. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 2.0**)
37. F. Naguji, **N. K. Jadav**, *et al.*, "GreenLand: A Secure Land Registration Scheme for Blockchain and AI-Enabled Agriculture Industry 5.0," in *IEEE Access*, vol. 12, pp. 120994-121009, 2024, doi: 10.1109/ACCESS.2024.3451627. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 3.4**)
38. M. Patel, S. Tanwar, **N. K. Jadav**, *et al.*, "FACT: Autoencoder and Attention Conv-LSTM based Collaborative Framework for Cloud Cover Prediction", in *IEEE Access*, pp. 1-15, 2024. doi:10.1109/ACCESS.2024.3439888. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 3.4**)
39. N. Patel, D. Patel, **N. K. Jadav**, *et al.*, "Fuzzy-Enhanced Secure Messaging Framework for Smart Healthcare System", in *IEEE Access*, vol. 12, pp. 102977-102993, 2024, doi:10.1109/ACCESS.2024.3432662. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 3.4**)
40. B. M. Gandhi, S. B. Vaghadia, M. Kumhar, R. Gupta, **N. K. Jadav**, *et al.* "Homomorphic Encryption and Collaborative Machine Learning for Secure Healthcare Analytics", in *Security & Privacy*, Wiley, vol. 8 (1), pp. 1-18, 2025, doi.org/10.1002/spy2.460. [Online] (**ESCI, SCOPUS, WoS, Impact Factor: 1.5**)
41. T. Rathod, **N. K. Jadav**, *et al.*, "A comprehensive survey on social engineering attacks, countermeasures, case study, and research challenges", in *Information Processing & Management*, Elsevier, vol.62, 1, 2025, doi.org/10.1016/j.ipm.2024.103928. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 7.4**)
42. Naguji, F., **Jadav, N.K.**, *et al.* "Green secure land registration scheme for blockchain-enabled agriculture industry 5.0", in *Peer-to-Peer Network Application* vol. 18, 126 (2025). <https://doi.org/10.1007/s12083-025-01953-6>. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 3.4**)
43. K. Shah, **N. K. Jadav**, *et al.*, "A Deep Learning-Orchestrated Garlic Routing Approach for Secure Telesurgery Operations in Healthcare 4.0", in *Egyptian Informatics Journal*, Elsevier, vol.30, pp. 1-32, 2025, doi.org/10.1016/j.eij.2025.100662. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 5.0**)
44. T. Rathod, R. Gupta, **N.K. Jadav**, *et al.*, "Efficient Network Management Scheme for Device-to-Device Communication using Channel Indicators" in *Telecommunication Systems*, Springer, pp. 1-31, 2025. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 1.7**)
45. J. Raval, **N. K. Jadav**, *et al.*, "CNN-based Crime and Criminal Emotion Detection Framework for Public Safety Application", in *Scientific Reports, Nature, Spring*, pp. 1-31, 2025. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 3.8**)
46. M. Parekh, **N. K. Jadav**, *et al.*, "Blockchain and Federated Learning-orchestrated Data-Driven Analytical Framework for Ship Fuel Oil Consumption", in *Applied Ocean Research*, Elsevier, pp. 1-34, 2025. [Online] (**SCI, SCOPUS, WoS, Impact Factor: 4.3**)

JOINT RESEARCH PUBLICATIONS IN REFEREED JOURNALS (UNDER REVIEW)

1. D. Pancholi, **N. K. Jadav**, *et al.*, "AI and Blockchain-enabled Threat Intelligence framework for UAV-assisted battlefield Environment", in *Journal of Systems Architecture*, Elsevier, Under Review, pp. 1-15, 2023. (**SCI, Impact Factor: 4.5**)
2. H. Gajjar, D. Jivani, R. Gupta, **N. K. Jadav**, *et al.*, "Vision Transformer-based Crime Detection Framework for Public Safety Systems", in *IEEE Access*, pp. 1-15, 2023. (**SCI, Impact Factor: 3.9**)

3. S. Patel, R. Shah, T. Rathod, **N. K. Jadav**, *et al.* "Advancing Malicious URL Detection in the Metaverse with AI and Blockchain", in *Security and Privacy*, Wiley, Under Review, pp. 1-15, 2023. **(SCI, Impact Factor: 1.9)**
4. S. Desai, M. Vora, S. Shah, K. Shah, T. Vyas, A. Nair, S. Desai, S. Tanwar, H. Chhikaniwala, **N. K. Jadav**, *et al.* "Parkinsons Disease Classification using Hybrid Deep Learning-based model", in *Public Health (AIMS)*, Under Review, pp. 1-15, 2023.
5. R. Gupta, S. Tanwar, **N. K. Jadav**, *et al.*, "Web 3.0-driven Blockchain for Edge Intelligence in End-to-End UAV Communication Underlying 6G", in *IT Professional Magazine*, Under Review, pp. 1-15, 2023. **(SCI, Impact Factor: 2.6)**
6. A. A. Mehta, A. Singh, **N. K. Jadav**, *et al.* "Emotion-based Crime Detection Architecture for Public Safety Using Convolutional Neural Network", in *IEEE Access*, Under Review, pp. 1-15, 2023. **(SCI, Impact Factor: 3.9)**
7. N. Patel, S. Brahmabhatt, O. Vyas, A. Nair, T. Vyas, **N. K. Jadav**, *et al.*, "*F-Transformer*: Federated Learning-based Transformer for Efficient Sequence Generation", in *Expert Systems with Applications*, Elsevier, Under Review pp. 1-16, 2023.
8. M. Sojitra, **N. K. Jadav**, *et al.*, "Interplay of ML and Blockchain for Secure Internet of Military Vehicles Communication Underlying 5G", in *IEEE Internet of Things Journal*, Under Review, pp. 1-10, 2024. **(SCI, Impact Factor: 10.6)**
9. A. Shah, D. Shah, **N. K. Jadav**, *et al.*, "Resilient Data Exchange Framework for Smart Grid using AI and Onion Routing Underlying 5G", in *International Journal of Critical Infrastructure Protection*, Elsevier, Under Review, pp. 1-11, 2024. **(SCI, Impact Factor: 3.6)**
10. Aditi, M. Shinde, R. Gupta, R. Kakkar, **N. K. Jadav**, *et al.*, "Zero Touch Networks: Applications, Enabling Technologies, Functionalities, Challenges, and Future Research Directions", in *Computer Networks*, Elsevier, Under Review, pp. 1-46, 2024. **(SCI, Impact Factor: 5.6)**
11. B. Gandhi, M. Parekh, **N. K. Jadav**, *et al.*, "Blockchain Forensics to Prevent Cryptocurrency Scams", in *Computers and Electrical Engineering*, Elsevier, [Current Status: R1 Submitted, Under Review] pp. 1-15, 2024. **(SCI, Impact Factor: 4.3)**
12. J. Patel, R. Gupta, **N. K. Jadav**, *et al.*, "Blockchain-based Efficient Spectrum Sharing Scheme for Telecom Operators", in *Security and Privacy*, Wiley, Under Review, pp. 1-13, 2024. **(SCI, Impact Factor: 1.9)**
13. **N. K. Jadav**, *et al.*, "Toward a Sustainable Cyberspace: Role of Digital Forensics and its Integration in Education Programs", in *Journal of Parallel and Distributed Computing*, Elsevier, Under Review, pp. 1-11, 2024.
14. K. Mehta, A. Verma, **N. K. Jadav**, *et al.*, "Interplay of AI and Blockchain to Prevent Social Engineering Attacks for Financial Applications", in *IEEE Access*, Under Review, pp. 1-11, 2024. **(SCI, Impact Factor: 3.9)**
15. H. Gajjar, M. Barot, D. Jivani, N. Vasani, A. Nair, T. Vyas, **N. K. Jadav**, *et al.*, "Glaucoma Detection Framework using DeepLabV3+ aided MobileViT-V2 for Efficient Image Segmentation", in *IEEE Journal of Translational Engineering in Health & Medicine*, Under Review, pp. 1-11, 2024. **(SCI, Impact Factor: 3.7)**
16. H. Nanavati, **N. K. Jadav**, *et al.*, "Interplay of Blockchain and Federated Learning for Secure Data Aggregation in Smart Healthcare System", in *Computers and Electrical Engineering*, Elsevier, Under Review, pp. 1-17, 2024. **(SCI, Impact Factor: 4.0)**
17. M. Patel, N. Patel, R. Gupta, F. Ramoliya, **N. K. Jadav**, *et al.*, "Hybrid Knowledge Distillation Transformer for Model Compression in Autonomous Electric Vehicles", in *Engineering Applications of Artificial Intelligence*, Elsevier, Under Review, pp. 1-20, 2024. **(SCI, Impact Factor: 8)**
18. D. Raval, I. Mirza, F. Ramoliya, R. Gupta, **N. K. Jadav**, *et al.*, "Explainable AI-based Water Treatment Plant Profiling to Enhance Human Life Expectancy", in *International Journal of Systems Assurance Engineering and Management*, Springer, Under Review, pp. 1-20, 2024. **(SCI, Impact Factor: 2.0)**

19. K. Shah, L. Pathak, N. K. Jadav, J. J. Hathaliya, **V. Singh**, *et al.*, "A Comprehensive Survey on Federated Learning for Intrusion Detection Systems," in *Peer-to-Peer Networking and Applications*, Springer. [Under Review] (**SCI, SCOPUS, WoS, Impact Factor: 2.6**)

JOINT RESEARCH PUBLICATIONS IN INTERNATIONAL CONFERENCES (PUBLISHED)

1. **N. K. Jadav**, *et al.*, "A Survey on OFDM Interference Challenge to improve its BER," *IEEE 2nd International Conference on Electronics, Communication and Aerospace Technology (IEEE - ICECA 2018)*, Coimbatore, India, 2018, pp. 1052-1058, doi: 10.1109/ICECA.2018.8474748. (**Indexing in IEEEExplore as well as in SCOPUS**)
2. **N. K. Jadav**, *et al.*, "Improving BER of WiMAX using Interference Mitigation Techniques," *IEEE International Conference on Electrical, Computer and Communication Technologies (IEEE - ICECCT 2019)*, Coimbatore, India, 2019, pp. 1-7, doi: 10.1109/ICECCT.2019.8869345. (**Indexing in IEEEExplore as well as in SCOPUS**)
3. **N. K. Jadav**, *et al.*, "A Machine Learning Approach to Classify Network Traffic," *13th IEEE International Conference on Electronics, Computers and Artificial Intelligence (IEEE ECAI 2021)*, Pitesti, Romania, 2021, pp. 1-6, doi: 10.1109/ECAI52376.2021.9515039. (**Indexing in IEEEExplore as well as in SCOPUS**)
4. Solani, S., **N.K. Jadav**. (2021). "A Novel Approach to Reduce False-Negative Alarm Rate in Network-Based Intrusion Detection System Using Linear Discriminant Analysis". In: Ranganathan, G., Chen, J., Rocha, Á. (eds) *Inventive Communication and Computational Technologies. Lecture Notes in Networks and Systems*, vol 145. Springer, Singapore. https://doi.org/10.1007/978-981-15-7345-3_77.
5. **N. K. Jadav**, Shrivastava, S. (2021). An Analysis on Incompetent Search Engine and Its Search Engine Optimization (SEO). In: Gupta, D., Khanna, A., Bhattacharyya, S., Hassanien, A.E., Anand, S., Jaiswal, A. (eds) *International Conference on Innovative Computing and Communications. Advances in Intelligent Systems and Computing*, vol 1165. Springer, Singapore. https://doi.org/10.1007/978-981-15-5113-0_15.
6. A. R. Nair, **N. K. Jadav**, *et al.*, "AI-empowered Secure Data Communication in V2X Environment with 6G Network," *IEEE Conference on Computer Communications (IEEE INFOCOM 2022)*", Virtually 02-05 May 2022 (Virtual Mode). (IEEE INFOCOM is a top-ranked conference on networking in the research community with **A star rank as per CORE and Indexed in IEEEExplore as well as in SCOPUS**)
7. **N.K. Jadav**, *et al.*, "Blockchain and Edge Intelligence-based Secure and Trusted V2V Framework Underlying 6G Networks," *IEEE Conference on Computer Communications (IEEE INFOCOM 2022)*", Virtually 02-05 May 2022 (Virtual Mode). (IEEE INFOCOM is a top-ranked conference on networking in the research community with **A star rank as per CORE and Indexed in IEEEExplore as well as in SCOPUS**)
8. D. Jadav, D. Patel, R. Gupta, **N. K. Jadav** and S. Tanwar, "BaRCODE: A Blockchain-based Framework for Remote COVID Detection for Healthcare 5.0," *IEEE Conference on Computer Communications (IEEE INFOCOM 2022)*", Virtually 02-05 May 2022 (Virtual Mode). (IEEE INFOCOM is a top-ranked conference on networking in the research community with **A star rank as per CORE and Indexed in IEEEExplore as well as in SCOPUS**)
9. R. Kakkar, **N. K. Jadav**, *et al.*, "Blockchain and Stackleberg Game-based Fair and Trusted Data Pricing Scheme for Ride Sharing," *2022 IEEE International Conference on Communications Workshops (IEEE ICC 2022)*, 2022, pp. 854-859, doi: 10.1109/ICWorkshops53468.2022.9814704. (**Indexing in IEEEExplore, SCOPUS**)
10. D. Patel, D. Jadav, R. Gupta, **N.K. Jadav** *et al.*, "Deep Learning and Blockchain-based Framework to Detect Malware in Autonomous Vehicles," *IEEE International Wireless Communications and Mobile Computing (IEEE IWCMC 2022)*, 2022, pp. 278-283, doi: 10.1109/IWCMC55113.2022.9824186. (**Indexing in IEEEExplore as well as in SCOPUS**)
11. V. A. Patel, P. Bhattacharya, S. Tanwar, **N. K. Jadav**, *et al.* "BFLEdge: Blockchain-based federated edge learning scheme in V2X underlying 6G communications," *12th International Conference on Cloud Computing, Data Science & Engineering (IEEE Confluence 2022)*, 2022, pp. 146-152, doi: 10.1109/Confluence52989.2022.9734213. (**Indexing in IEEEExplore as well as in SCOPUS**)

12. J. Thaker, **N. K. Jadav**, *et al.*, "Intrusion Detection System for Autonomous Vehicle," *Sixth International Conference on Smart Cities, Internet of Things and Applications (SCIoT)*, Mashhad, Iran, Islamic Republic of, 14-15 September 2022. **(Indexing in IEEEExplore as well as in SCOPUS)**
13. R. Gupta, **N. K. Jadav**, *et al.*, "Blockchain and AI-based Secure Onion Routing Framework for Data Dissemination in IoT Environment Underlying 6G Networks," *Sixth International Conference on Smart Cities, Internet of Things and Applications (SCIoT)*, Mashhad, Iran, Islamic Republic of, 14-15 September 2022, **(Indexing in IEEEExplore as well as in SCOPUS)**
14. **N. K. Jadav**, *et al.*, "Intelligent Garlic Routing for Securing Data Exchange in V2X Communication", *IEEE Globecom Workshops (IEEE GC Wkshps 2022)*, Rio de Janeiro, Brazil, 04-08 December 2022, (Virtual Mode). **(Indexing in IEEEExplore as well as in SCOPUS)**
15. H. Mankodiya, M. S. Obaidat, **N.K. Jadav**, *et al.*, "Deep Learning-based Secure Machine-to-Machine Communication in Edge-Enabled Industrial IoT", *IEEE International Conference on Computing, Communication, and Intelligent Systems (IEEE ICCIS 2022)*, Sharda University, Greater Noida, India, 04-05 Nov 2022. **(Indexing in IEEEExplore as well as in SCOPUS)**
16. D. Jadav, D. Patel, M. S. Obaidat, S. Thacker, A. Nair, R. Gupta, **N.K. Jadav**, *et al.*, "EmReSys: AI-based Efficient Employee Ranking and Recommender System for Organizations", *IEEE International Conference on Computing, Communication, and Intelligent Systems (IEEE ICCIS 2022)*, Sharda University, Greater Noida, India, 04-05 Nov 2022. **(Indexing in IEEEExplore as well as in SCOPUS)**
17. **N. K. Jadav**, *et al.*, "AI and Onion Routing-based Secure Architectural Framework for IoT-based Critical Infrastructure," *13th International Conference on Cloud Computing, Data Science & Engineering (Confluence)*, Noida, India, 19-20 January 2023, pp. 559-564, **(Indexing in IEEEExplore as well as in SCOPUS)**.
18. R. Kakkar, R. Gupta, **N. K. Jadav**, *et al.*, "Blockchain and Reverse Auction-based EVs Energy Trading Approach for Optimal Pricing," *13th International Conference on Cloud Computing, Data Science & Engineering (Confluence)*, Noida, India, 19-20 January 2023, pp. 412-417, **(Indexing in IEEEExplore as well as in SCOPUS)**
19. R. Gupta, **N. K. Jadav**, *et al.*, "Blockchain and AI-assisted Onion Routing Protocol for strengthening Anonymity in IoMTs underlying 6G Networks", *8th International Conference on Intelligent Information Technology (IEEE ICIIT 2023)*, pp. 1-8, 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
20. **N. K. Jadav**, *et al.*, "Intelligent Onion Routing and UAV-based Electronic Health Record Sharing Framework for Healthcare 4.0", *IEEE Conference on Computer Communications Workshops (IEEE INFOCOM 2023)*, pp. 1-6, 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
21. M. Kumhar, J. Bhatia, **N.K. Jadav**, *et al.*, "AI-based Intelligent SDN Controller to Optimize Onion Routing Framework for IoMT Environment", *IEEE International Conference on Communications (IEEE ICC 2023)*, Rome, Italy, 28 May- 1 June 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**.
22. R. Gupta, **N.K. Jadav**, *et al.*, "Blockchain and AI-assisted Onion Routing Protocol for Strengthening Anonymity in Beyond 5G IoMTs Networks", *Proceedings of the 2023 8th International Conference on Intelligent Information Technology (ACM ICIIT 2023)*, Da Nang, Vietnam, 24 Feb- 26 Feb 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**.
23. **N. K. Jadav**, *et al.*, "*FedOnion*: FL and Onion Routing-driven Secure Data Exchange Framework for 5G-IIoT Applications", *IEEE Global Communications Conference (IEEE GLOBECOM 2023)*, Kuala Lumpur, Malaysia, 04 - 08 Dec 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
24. T. Rathod, R. Gupta, A. Nehra, **N. K. Jadav**, *et al.*, "AI and Coalition Game Interplay for Efficient Resource Allocation in D2D Communication", *IEEE Global Communications Conference (IEEE GLOBECOM 2023)*, Kuala Lumpur, Malaysia, 04 - 08 Dec 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
25. R. Kakkar, R. Gupta, **N. K. Jadav**, *et al.*, "G-SDN: Game Theory-based SDN Controller Load Balancing for IIoT Applications Underlying 5G", *IEEE Global Communications Conference (IEEE GLOBECOM 2023)*, Kuala Lumpur, Malaysia, 04 - 08 Dec 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**

26. R. Gupta, S. Gupta, **N. K. Jadav**, *et al.*, "SORT: Blockchain and Onion Routing-Based Secure Telesurgery Framework for Healthcare 4.0", *2023 IEEE 11th Region 10 Humanitarian Technology Conference (R10-HTC 2023)*, Gujarat, India, 16 - 18 October 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
27. **N. K. Jadav**, *et al.*, "Garlic Routing-based Privacy-Preserving Framework for Secure Data Exchange Between IoMVs Underlying 5G Networks", *International Conference on Networks, Multimedia, and Information Technology (NMITCON 2023)*, Bengaluru, India, 1 - 2 September 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
28. **N. K. Jadav**, *et al.*, "AI and Blockchain-based Secure Message Exchange Framework for Medial IoT", *International Conference on Networks, Multimedia, and Information Technology (NMITCON 2023)*, Bengaluru, India, 1 - 2 September 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
29. K. Gohil, A. Gohil, R. Gupta, **N. K. Jadav**, *et al.*, "Proxy-based Verification of Smart Contracts for Healthcare Domain in Blockchain Environment", *IEEE International Conference on Computing, Communication, and Intelligent Systems*, Sharda Ramoliya University, Greater Noida, India, 03 - 04 Dec 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
30. A. Patel, **N. K. Jadav**, *et al.*, "Grey-Wolf Optimization-based Efficient Data Dissemination for UAVs in Critical Scenarios", *IEEE Global Conference*, Nagarjuna College Of Engineering & Technology, Bangalore, India, 06 - 08 Oct 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
31. D. Jivani, H. Gajjar, R. Gupta, **N. K. Jadav**, *et al.*, "Machine Learning-based Secure Communication Framework for Connected Autonomous Vehicles", *IEEE Global Communications Conference (IEEE GLOBECOM 2023)*, Kuala Lumpur, Malaysia, 04 - 08 Dec 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
32. M. Kumhar, J. Bhatia, **N. K. Jadav**, *et al.*, "HEAL-SDN: Artificial Neural Network-based Secure Data Exchange Framework for SDN Controllers in Healthcare 4.0", *IEEE Global Communications Conference (IEEE GLOBECOM 2023)*, Kuala Lumpur, Malaysia, 04 - 08 Dec 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
33. R. Kakkar, T. Rathod, J. Hathaliya, R. Gupta, **N. K. Jadav**, "Blockchain and Zero-Sum Game-based Energy Trading Scheme for Electric Vehicles", *IEEE Global Communications Conference (IEEE GLOBECOM 2023)*, Kuala Lumpur, Malaysia, 04 - 08 Dec 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
34. Y. Patel, S. Patel, R. Gupta, R. Kakkar, **N. K. Jadav**, *et al.*, "Blockchain and AI-based Engine Fault Detection Scheme for Autonomous Vehicles", *International Conference on Communications, Computing, Cybersecurity, and Informatics (CCCI 2023)*, Chongqing, China, 18 - 20 October 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
35. R. Kakkar, R. Gupta, M. S. Obaidat, **N. K. Jadav**, *et al.*, "Majority Voting-based Consensus Mechanism for UAVs Decision Making in Battlefield", *2023 International Conference on Computer, Information and Telecommunication Systems (CITS) (CITS 2023)*, Genoa, Italy, 10 - 12 July 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
36. D. Bhardwaj, A. Kanjiya, **N. K. Jadav**, *et al.*, "Deep Q-Network-based Stock Market Optimization for improving Stock Trends", *2nd International Conference on Futuristic Technologies (INCOFT - 2023)*, S.G.Balekundri Institute of Technology, Nehru Nagar, Belagavi, Karnataka 24 - 26 November 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
37. P. Kotecha, T. Dhokaa, J. Bhatia, M. Kumhar, R. Gupta, S. Tanwar, **N. K. Jadav**, "Performance Evaluation of Federated Learning in Edge Computing Environment", *Elsevier International Conference on Machine Learning and Data Engineering (ICMLDE 2023)*, UPES, Dehradun, India, 23 - 24 November 2023. **(Indexing in ScienceDirect)**
38. H. Shah, K. Shah, **N. K. Jadav**, *et al.*, "Blockchain and DL-based Communicable Disease Spread Control Framework by Monitoring Quarantine Activities", *20th India Council International Conference (INDICON 2023)*, Hyderabad, India, 14 - 17 December 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
39. H. S. Panchal, **N. K. Jadav**, *et al.*, "Image-based Ransomware Detection for Social Media Post Using Structural Similarity Index", *20th India Council International Conference (INDICON 2023)*, Hyderabad, India, 14 - 17 December 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**

40. A. Singh, A. Mehta, A. A. Padaria, **N. K. Jadav**, *et al.*, "Enhanced Pothole Detection using YOLOv5 and Federated Learning", 14th *International Conference on Cloud Computing, Data Science & Engineering (Confluence - 2024)*, Amity University, U.P., India 18 - 19 January 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
41. N. Patel, D. Patel, **N. K. Jadav**, *et al.*, "Fuzzy and Spiking Neural Network-based Secure Data Exchange Framework for Autonomous Vehicle", 14th *International Conference on Cloud Computing, Data Science & Engineering (Confluence - 2024)*, Amity University, U.P., India 18 - 19 January 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
42. N. K. Patel, K. N. Patel, **N. K. Jadav**, *et al.*, "Blockchain-based Organ Supply Chain Framework for Healthcare 4.0: A Smart Contract Approach", 1st *International Conference on Artificial Intelligence for Innovations in Healthcare Industries (ICAIIHI-2023)*, Shri Shankaracharya Institute of Professional Management and Technology Raipur, Chhattisgarh, India, 29 - 30 December 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
43. Y. Patel, D. Tank, R. Gupta, R. Kakkar, **N. K. Jadav**, *et al.*, "Blockchain and Machine Learning-based Diabetic Scheme for Telesurgery", *IEEE 2023 3rd Smart Generation Technologies in Computing, Networking & Communication (SMARTGENCON)*, Ghousia College of Engineering, Ramanagaram 562159, 29-31 December 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
44. T. Patel, **N. K. Jadav**, *et al.*, "AI-based Secure Intrusion Detection Framework for Digital Twin-enabled Critical Infrastructure", 14th *International Conference on Information and Knowledge Technology (IKT) (IEEE IKT-2023)*, Islamic Azad University Isfahan (Khorasgan) Branch and Iranian Association of Information and Communication Technology, Iran, 26 December 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
45. D. Pancholi, **N. K. Jadav**, *et al.*, "Blockchain-based Secure UAV-assisted Battlefield Operation underlying 5G", 14th *International Conference on Information and Knowledge Technology (IKT) (IEEE IKT-2023)*, Islamic Azad University Isfahan (Khorasgan) Branch and Iranian Association of Information and Communication Technology, Iran, 26 December 2023. **(Indexing in IEEEExplore as well as in SCOPUS)**
46. T. Patel, **N. K. Jadav**, *et al.*, "Genetic and Decision Tree-based Secure Data Dissemination Framework for Autonomous Vehicles", *IEEE International Conference on Contemporary Computing and Communications (IEEE InC4 2024)*, CHRIST (Deemed to be University), Kengeri Campus, Bangalore, India, 15 - 16 March 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
47. R. Chaudhri, **N. K. Jadav**, *et al.*, "AI and Blockchain-based Collaborative Architecture for Safeguarding IoT-driven Water Treatment Plants", *IEEE International Conference on Contemporary Computing and Communications (IEEE InC4 2024)*, CHRIST (Deemed to be University), Kengeri Campus, Bangalore, India, 15 - 16 March 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
48. A. A. Padaria, D. Patel, R. Gupta, **N. K. Jadav**, *et al.*, "Visual Question Generation Framework for Chess Game State Identification", *IEEE International Conference on Contemporary Computing and Communications (IEEE InC4 2024)*, CHRIST (Deemed to be University), Kengeri Campus, Bangalore, India, 15 - 16 March 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
49. A. Nair, J. Pandya, S. Tanwar, **N. K. Jadav**, *et al.*, "NEAT-Based Resource Allocation for Emergency Service Provisioning in C-V2X Networks", *IEEE International Conference on Communications (IEEE ICC 2024)*, Denver, CO, USA, 09 - 13 June 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
50. P. P. Shah **N. K. Jadav**, *et al.*, "Transfer Learning-based Emotion Detection System in Cultivating Workplace Harmony," 2024 20th CSI International Symposium on Artificial Intelligence and Signal Processing (AISP), Babol, Iran, Islamic Republic of, 2024, pp. 1-6, doi: 10.1109/AISP61396.2024.10475202. **(Indexing in IEEEExplore as well as in SCOPUS)**
51. A. Patel, A. Shah, **N. K. Jadav** *et al.*, "*SURAKSHA*: Secure Message Exchange Framework Using Spiking Neural Network and Blockchain for IIoT Application", *IEEE International Conference on Communications (IEEE ICC 2024)*, Denver, CO, USA, 09 - 13 June 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**

52. N. Patel, F. Ramoliya, **N. K. Jadav**, *et al.*, “X-NET: Explainable AI-based Network Data Security Framework for Healthcare 4.0”, *IEEE International Conference on Communications (IEEE ICC 2024)*, Denver, CO, USA, 09 - 13 June 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
53. A. Bhatt, S. Dasadiya, A. Gohil, R. Gupta **N. K. Jadav**, *et al.* “Machine Learning-based Framework for Malware Detection in Critical Infrastructures for Smart Cities”, *Asia Pacific Conference on Innovation in Technology (IEEE APCIT 2024)*, Vidyavardhaka College of Engineering, Mysuru, 26 - 27 July 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
54. M. Munshi, R. Gupta **N. K. Jadav**, *et al.* “Quantum Machine Learning-based Lung Cancer Prediction Framework for Healthcare 4.0”, *Asia Pacific Conference on Innovation in Technology (IEEE APCIT 2024)*, Vidyavardhaka College of Engineering, Mysuru, 26 - 27 July 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
55. K. Patel, D. Thakkar, R. Gupta **N. K. Jadav**, *et al.* “XAI-based RF Jamming Detection Framework for Vehicular Networks in Battlefield Environment”, *5th INTERNATIONAL CONFERENCE OF EMERGING TECHNOLOGIES (IEEE INCET 2024)*, BELGAUM, INDIA, 24 - 26 May 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
56. K. Patel, D. Thakkar, R. Gupta **N. K. Jadav**, *et al.*, “Artificial Intelligence and Blockchain-enabled Secure Birth Certificate Management System”, *International Conference on Intelligent Systems for Cybersecurity (IEEE ISCS 2024)*, The NorthCap University, Sector 23-A, Gurugram, Haryana, 03rd -04th May 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
57. A. Patel, A. Shah, **N. K. Jadav** *et al.*, “Advancing Beach Litter Detection with Split and Federated Learning Collaborative Framework”, *Emerging Techniques in Computational Intelligence, ICETCI 2024*, Mahindra University, Hyderabad, India, August 22-24, 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
58. T. Patel, **N. K. Jadav**, *et al.* “Meta-Heuristic-Based Feature Selection for Stroke Prediction in Smart Healthcare System”, 2024 International Conference on Emerging Techniques in Computational Intelligence (**ICETCI 2024**), Mahindra University, Telangana, India, 22 - 24 August 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
59. V. Acharya, A. Shah, **N. K. Jadav**, *et al.* “A Data-Driven Analytical Framework for Predicting Fuel Consumption in Shipping Industry”, 2024 International Conference on Emerging Techniques in Computational Intelligence (**ICETCI 2024**), Mahindra University, Telangana, India, 22 - 24 August 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
60. R. Shah, H. Shah, M. S. Obaidat, **N. K. Jadav**, *et al.*, “Blockchain-driven Framework for Fake Product Detection”, *Lecture Notes in Computer Science, Springer, 2nd International Conference on Deep Sciences for Computing and Communications (IconDeepCom 2023)*, Chennai, India, 20 - 22 April 2023. **(Indexing in SCOPUS)**
61. R. Kakkar, R. Gupta, M. S. Obaidat, **N. K. Jadav**, *et al.*, “Blockchain and game-based optimal pricing approach for electric vehicles towards 5G”, in *Proc. SPIE 13445, International Conference on Electronics, Electrical and Information Engineering (ICEEIE 2024)*, 134451P (11 December 2024); <https://doi.org/10.1117/12> **(Indexing in SCOPUS)**
62. K. Patel, A. Kanjia, M. Kumhar, J. Bhatia, **N. K. Jadav**, R. Gupta, “FORCE: Optimal Resource Utilization Framework for Fog-enabled Green Communication in IoMT”, *IEEE International Conference on Advanced Networks and Telecommunications Systems (IEEE ANTS 2024)* Assam, India, IIT Guwahati, 15 - 18 December 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
63. M. Kakkad, H. Koradiya, K. Darji, R. Gupta, **N. K. Jadav**, *et al.* “SignalStats: Optimizing Analog Stations’ Signal Interference Management Through ML-based Statistical Analysis”, *2024 IEEE Global Communications Conference (IEEE GLOBECOM 2024)* Cape Town, South Africa, 08 - 12 December 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
64. L. Pathak, K. Shah, H. Panchal **N. K. Jadav**, *et al.* “TRACK-GAME: Transformer-assisted Malicious Financial Transaction Detection Framework for Meta Gaming Platform”, *2nd World Conference on Communication & Computing 2024 (IEEE WCONF 2024)*, Kalinga University, Raipur, 12th -14th July 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**

65. H. Gajjar, D. Jivani, C. Trivedi, R. Gupta, **N. K. Jadav**, *et al.* "Blockchain and Quantum-based Collaborative Communication Framework for Telehealth", *2024 IEEE International Conference on E-health Networking, Application & Services (HealthCom) (IEEE HealthCom 2024)*, Nara, Japan, 820 November 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
66. K. Shah, H. Panchal, L. Pathak, **N. K. Jadav**, *et al.* "XAI-BattleOps: Explainable AI-based Energy Consumption Analytical Framework for UAV-assisted Battlefield Operations", *2024 IEEE International Conference on Blockchain and Distributed System Security (IEEE ICBDS 2024) (IEEE ICBDS 2024)*, Vishwakarma Institute Of Information Technology, Pune, India, October 17-19th, 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
67. M. Parekh, **N. K. Jadav**, *et al.* "Federated Learning-based Secure Data Dissemination Framework for IIoT Systems Underlying 5G", *2024 IEEE International Conference on Blockchain and Distributed System Security (IEEE ICBDS 2024) (IEEE ICBDS 2024)*, Vishwakarma Institute Of Information Technology, Pune, India, October 17-19th, 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
68. K. Shah, L. Pathak, K. Shah, **N. K. Jadav**, *et al.* "BlockFin: AI and Blockchain Synergy for Secure Digital Financial Systems ", *INTERNATIONAL CONFERENCE ON ELECTRICAL, ELECTRONICS AND COMPUTING TECHNOLOGIES (IEEE ICEECT 2024)*, Sharda University, Greater Noida, Ruhallapur, Uttar Pradesh 201310, 29th -31st August 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
69. K. G. Jash, J. Patel, R. Gupta, **N. K. Jadav**, *et al.* "Reinforcement Learning-based Optimized Driving Behaviour Framework for Autonomous Vehicles in Intelligent Transportation System", *INTERNATIONAL CONFERENCE ON ELECTRICAL, ELECTRONICS AND COMPUTING TECHNOLOGIES (IEEE ICEECT 2024)*, Sharda University, Greater Noida, Ruhallapur, Uttar Pradesh 201310, 29th -31st August 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
70. P. Joshi, H. Panchal, **N. K. Jadav**, *et al.* "Blockchain and AI-driven Smart Healthcare Framework to Improve Human Life Expectancy", *2024 International Conference for Advancement in Technology (IEEE ICONAT 2024)*, Rajarambapu Institute of Technology, Goa, India, 13th Sept 14th Sept 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
71. A. Sakhrelia, A. A. Padaria, **N. K. Jadav**, *et al.* "Privacy Preserving and Federated Learning-based Drowsy Driving Detection for ITS", *INTERNATIONAL CONFERENCE ON ELECTRICAL, ELECTRONICS AND COMPUTING TECHNOLOGIES (IEEE ICEECT 2024)*, Sharda University, Greater Noida, Ruhallapur, Uttar Pradesh 201310, 29th -31st August 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
72. S. Shah, S. Soni, M. S. Obaidat, **N. K. Jadav**, *et al.* "Blockchain-Assisted Secure and Trusted Ticketing System for Outsourced Premier League", *2024 International Conference on Communications, Computing, Cybersecurity, and Informatics (CCCI) (IEEE CCCI 2024)*, Beijing, China, 16th-18th October 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
73. L. Pathak, M. Virani, M. S. Obaidat, P. Patel, J. Hathaliya, **N. K. Jadav**, *et al.* "A Transfer Learning-Based Intelligent Judiciary System for Public Safety", *2024 International Conference on Communications, Computing, Cybersecurity, and Informatics (CCCI) (IEEE CCCI 2024)*, Beijing, China, 16th-18th October 2024. **(Indexing in IEEEExplore as well as in SCOPUS)**
74. Y. Patel, K. Savsani, Y. Kanani, R. Gupta, **N. K. Jadav**, *et al.* "AI-driven Secure UAV Communication Framework for Document Delivery in Sensitive Areas with 5G", *2025 IEEE International Conference on Communications (ICC) (IEEE ICC 2025)*, Montreal, Canada, 812 June 2025, **(Indexing in IEEEExplore as well as in SCOPUS)**
75. K. Gohil, A. Patel, A. Shah, T. Vyas, R. Gupta, **N. K. Jadav**, *et al.* "FedShield: Blockchain and Federated Learning based Collaborative Framework for Windows Malware Detection in Smart Applications", *2025 IEEE International Conference on Communications (ICC) (IEEE ICC 2025)*, Montreal, Canada, 812 June 2025, **(Indexing in IEEEExplore as well as in SCOPUS)**
76. P. Desai, V. Desai, **N. K. Jadav**, *et al.* "Federated Learning-based Intrusion Detection Framework for Cyber Physical System-based IIoT" in *INTERNATIONAL CONFERENCE ON METAVERSE AND CURRENT TRENDS IN COMPUTING (IEEE ICMCT 2025)*, Taylor's University, Malaysia, 10-11 April 2025, **(Indexing in IEEEExplore as well as in SCOPUS)**

1. R. Gupta, **N. K. Jadav**, *et al.* "FL and Onion Routing-based Secure EHR Exchange Framework for Smart Healthcare System", *5th Congress on Intelligent Systems (CIS 2024)* CHRIST (Deemed to be University), Bengaluru, Liverpool Hope University, U.K, 04 - 05 September 2024.
2. D. Bhardwaj, A. Kanjiya, **N. K. Jadav**, *et al.* "Reinforcement Learning-based Optimized UAV Selection for UAV-to-UAV Communication", *5th IEEE India Council International Subsections Conference IEEE INDISCON 2024*, Punjab Engineering College (Deemed to be University), Chandigarh, August 22-24, 2024. (**Indexing in IEEEExplore as well as in SCOPUS**)
3. D. Desai, F. Patel, J. Hathaliya **N. K. Jadav**, *et al.* "Blockchain-Based Auction Scheme for Decentralized Art and Collectibles Trading", *2024 IEEE 29th Asia Pacific Conference on Communications (APCC) (IEEE APCC 2024)*, Kabupaten Badung, Bali, 5th -7th November 2024. (**Indexing in IEEEExplore as well as in SCOPUS**)
4. H. Panchal, Z. Lakkad, **N. K. Jadav**, V. Singh, *et al.* "Transformer-based Cyber Security Threat Detection and Analysis Framework for Smart Grids", *18th Edition International Conference on Electronics, Computers and Artificial Intelligence - IEEE ECAI 2026*, Bucharest, ROMANIA, 02 July - 03 July 2026. [Accepted] (**Indexing in IEEEExplore as well as in SCOPUS**)
5. V. Singh, A. Prachi, **N. K. Jadav** "Blockchain-based Hierarchical Locking for Concurrent Nested Transaction Management", *18th Edition International Conference on Electronics, Computers and Artificial Intelligence - IEEE ECAI 2026*, Bucharest, ROMANIA, 02 July - 03 July 2026. [Under Review] (**Indexing in IEEEExplore as well as in SCOPUS**)
6. T. Patel, C. Trivedi, **N. K. Jadav**, V. Singh, *et al.* "GenSVM : A Secure Vehicle Blind Spot Detection Framework for V2X Environment", *2026 IEEE Region 10 Conference (TENCON)*, Bali, Indonesia, 10-13 October 2026. [Under Review] (**Indexing in IEEEExplore as well as in SCOPUS**)
7. B. Yennapusala, S. Bukka, V. Singh, **N. K. Jadav**, *et al.* "ML-driven Jamming Detection for Critical Communication Systems with SMOTE-based Optimization", *International Conference on AI-Driven Innovations and Applications (IC-AIDA 2026)*, School of Computer Science and IT, JAIN (Deemed-to-be University), Bengaluru, 10-11 April 2026. [Accepted] (**Indexing in IEEEExplore as well as in SCOPUS**)
8. D. Desai, F. Patel, J. Hathaliya, **N. K. Jadav**, S. Tanwar, V. Singh, *et al.* "Blockchain-Based Auction Scheme for Decentralized Art and Collectibles Trading", *2026 International Conference on Emerging Technologies and Future Innovations (ETFI 2026)*, School of Engineering and Technology, DES Pune University, 12-14 February 2026. [Under Review] (**Indexing in IEEEExplore as well as in SCOPUS**)
9. M. Bhavsar, R. Gupta, A. Srivastava, S. Tanwar, **N. K. Jadav**, *et al.*, "Latent Noise Regularized Autoencoder for Robust D2D Communication Signal Reconstruction", *2026 IEEE International Conference on Emerging Trends in Information, Communication & Systems*, Bansal Institute of Science and Technology, Bhopal, July 10-11, 2026. [Under Review] (**Indexing in IEEEExplore as well as in SCOPUS**)
10. R. Shah, P. Chawda, U. Bodkhe, **N. K. Jadav**, *et al.* , "Evaluating the Robustness of InceptionV3 Against FGSM and PGD Adversarial Attacks", *IEEE, International Conference on Connected Intelligence for Industrial Applications (IEEE - CI2A)*, Akal University, Talwandi Saboo, Punjab, India, 03-05 April 2026. [Under Review] (**Indexing in IEEEExplore as well as in SCOPUS**)

EDITED BOOK PUBLICATIONS (PUBLISHED)

1. N. Dutta, **N. K. Jadav**, S. Tanwar, H K Deva Sharma, Book Title: Cyber Security: Issues and Current Trends, *Springer Nature Switzerland*, pp. 1-174, 2021. (ISBN: 978-981-16-6597-4). (**Authored book, Indexed in Springer nature database and SCOPUS**).

BOOK CHAPTERS PUBLICATIONS (PUBLISHED)

1. Y. Patel, V. Patel, M.S. Obaidat, **N.K. Jadav**, *et al.* "A Feature-Based Recommendation System for Mobile Number Portability" *Computational Intelligence. Lecture Notes in Electrical Engineering*, vol 968. Springer, Singapore, 2023. **(Indexing in SCOPUS)**
2. R. Sao, R. Gupta, **N. K. Jadav**, *et al.* "Blockchain and Onion Routing-Based Secure Data Management Framework for Healthcare Informatics", *Transfer, Diffusion and Adoption of Next-Generation Digital Technologies. TDIT 2023. IFIP Advances in Information and Communication Technology*, vol 698. Springer, Cham, 2023. **(Indexing in SCOPUS)**
3. M. Patel, **N. K. Jadav**, S. Tanwar, *et al.* "AI and Blockchain-enabled Onion Routing Protocol to Secure IoT communication", *Intelligent Computing on IoT 2.0, Big Data Analytics, and Block Chain Technology*, vol. 1, Chapman and Hall/CRC, 2024.
4. N. K. Jadav, **V. Singh**, *et al.* "Advancing Malicious URL Detection in the Metaverse with AI and Blockchain", *Bridging the Digital Divide for Sustainable Development in the AI Era*, IGI Global Scientific Publishing, 2026. **(Indexing in SCOPUS)**

EXPERT LECTURE/INVITED TALK:

1. Delivered Expert Lecture on "**AI for beginners: Exploring the work of Intelligent Machines**", 8th, January 2025 at Marwadi University, Rajkot, India.
2. Delivered an Expert Lecture "**The AI roadmap: Learn, Build, Innovate**", 24th and 25th February, 2025 at Marwadi University, Rajkot, India on the occasion of "AI Elevate day".

PROFESSIONAL SERVICES

Reviewer of the referred Journals

IEEE Transactions on Network Science and Engineering (TNSE), IEEE Consumer Electronics Magazine, IEEE ACCESS, Computer Networks-Elsevier, International Journal of Communication System (IJCS)-Wiley, Security and Privacy (SPY)-Wiley, Knowledge-Based Systems- Elsevier, Peer-to-Peer Networking and Applications-Springer, Scalable Computing- Springer, IET Communication, Computer in Biology and Medicine - Elsevier, Physical Communication- Elsevier, Ad Hoc Networks - Elsevier, Alexandria Engineering Journal - Elsevier, Technovation - Elsevier, Heliyon - Elsevier, Internet of Things - Elsevier, Neurocomputing - Elsevier, Results in Engineering - Elsevier, Peer J Computer Science, Technovation - Elsevier, Scientific Reports - Nature, Future Generation Computer Systems - Elsevier, npj Materials Sustainability - Nature, Journal of Network and Systems Management - Elsevier, Biomedical Signal Processing & Control - Elsevier.

MEMBER OF ORGANIZING COMMITTEE IN INTERNATIONAL CONFERENCES

1. Member of Organizing Committee in **5th International Conference on Computing, Communications, and Cyber-Security (IC4S 2024)**, 29th Feb - 01st March, 2024 at School of Computer Science, SMVDU Under the Flagship of "High-end computing AI and deep learning Lab".
2. Publication Co-Chair in **1st International Conference on Artificial Intelligence and Smart Technologies (AISTS 2025)**, IEEE Gujarat Section, Marwadi University, Rajkot, India, 21st - 23rd August 2025.

TPC & REVIEWER OF INTERNATIONAL CONFERENCES

1. Member of TPC for the International Conference entitled, "**IEEE 101st Vehicular Technology Conference (VTC2025-Spring)**", Oslo, Norway, 17 - 20 June 2025.
2. Member of TPC for the International Conference entitled "**International Conference on Emerging Techniques in Computational Intelligence (IEEE ICETCI 2025)**", Mahindra University, Hyderabad, Aug 21-23, 2025.
3. Reviewed some research papers in one of the International Conference entitled, International Conference on Computing, Communication and Cyber Security (IC4s), organized by Shri Mata Vaishno Devi University, Jammu and Kashmir.

4. Reviewed research papers for a renowned International conference entitled, **IEEE Global Communications Conference (IEEE GLOBECOM 2023)**, organized by IEEE Communication Society, Kuala Lumpur, Malaysia, 3-8 December, 2023.

Professional Bodies Memberships

1. Graduate Student Member of Institute of Electrical and Electronics Engineers (**IEEE**) (No.94412484).
2. Member of **IEEE Communications Society Membership**.
3. Member of **IEEE Young Professionals**.
4. Member of **IEEE Computer Society Membership**.

CERTIFICATIONS

1. Jan 2026, Completion Certificate for Python for Computer Vision with OpenCV and Deep Learning offered by Udemy (Verify at - **Reference Number - 0004**).
2. Dec 2025, Completion Certificate for VISION LANGUAGE MODELS (VLM) BOOTCAMP offered by OpenCV University (Verify at - **637c28114601492b88b8307a128b0969**).
3. Nov 2025, Completion Certificate for Generative AI and Large Language Models offered by Coursera (Verify at - **coursera.org/verify/0FI9MV 043NN3**).
4. May 2020, Completion Certificate for Neural Networks and Deep Learning offered by deeplearning.ai. in Coursera (Verify at - **coursera.org/verify/HJA5HX2QXEH9**).
5. May 2020, Completion Certificate for Programming for Everybody (Getting Started with Python) offered by University of Michigan in Coursera (Verify at - **coursera.org/verify/XEDQFQ7PW55E**).
6. May 2020, Completion Certificate for Python Programming: A Concise Introduction offered by Wesleyan University in Coursera (Verify at - **coursera.org/verify/U8B9CLPUAJDV**).
7. May 2019, Certificate of Continuing Education Completion in Vulnerabilities, Application Data, and Host Security by Cybrary (**Certification Number - C-1ae1148977-017b19bb8**).
8. May 2019, Micro Certification in End User: Network Security by Cybrary (**Certification Number - SC-1ae1148977-420d47**).
9. Feb 2018, Certificate of Continuing Education Completion in "Penetration Testing and Ethical Hacking" by Cybrary (**Certification Number - C-1ae1148977-a2f5b1**).
10. Feb 2018, Micro Certification in TCP/IP by Cybrary (**Certification Number - SC-1ae1148977-a4231**).
11. March 2018 Certificate of Continuing Education Completion in Intro to Malware Analysis and Reverse Engineering by Cybrary (**Certification Number - C-1ae1148977-2130b5**).
12. Dec 2018, Certificate of Completion for Introduction to Cybersecurity by Cisco.

STTP/FDP/WORKSHOP/TRAINING ATTENDED

1. Attended an STI Connect Forum on "**State Priority Areas of Science & Technology**" conducted by "DST, Gujarat State", on October, 20th, 2020.
2. Attended a workshop on **Python** by Teaching Learning Center (ICT) at IIT Bombay, Funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PDMMMNMIT) on 22nd June 2019.
3. Attended a workshop on **Emerging Research Topics in Engineering (ERTE)** with the theme "Artificial Intelligence and Machine Learning" held at Nirma University in co-ordination with IEEE Gujarat Section on 02nd - 03rd Feb 2019.

4. Attended a workshop on **Deep Learning Applications Design, Development and Deployment in IoT Edge** in **16th IEEE India Council International Conference (INDICON 2019)** held at Marwadi University on **13th December 2019**.
5. Attended an **AICTE-approved FDP (FDP 101x) on Foundation Program in ICT for Education**, conducted by IITB from **13th September - 18th October 2018**.
6. Attended an **AICTE-approved FDP (FDP 201x) on Pedagogy for Online and Blender Teaching-Learning Process**, conducted by IITB from **30th October - 13th December 2018**.
7. Attended a University-level **FDP (Level -1) on Teaching and Learning**, conducted by Marwadi University from **12th October - 13th October 2018**.
8. Attended a University-level **FDP (Level-2) on Teaching and Learning**, conducted by Marwadi University from **29th November - 30th November 2018**.

PERSONAL DETAILS

Father's Name: Jadav Pithabhai Punabhai

Residential Address: Street no. 14-A, Ambedkar Nagar, Opposite Astha Residency, 150ft. Ring Road, Rajkot, Gujarat, 360004.

Contact Number: +91 9023614003, +918866711305

Passport Details: X8934339

Nationality: Indian

Email Address: nileshjadav991@gmail.com, 21ftphde53@nirmauni.ac.in

Marital Status: Married

Date of Birth: 03rd December 1991

Language Known: Hindi, English, and Gujarati

REFERENCES

Dr. Sudeep Tanwar

Professor Nirma University
SG Highway, Ahmedabad,
Gujarat (India) 382481
Relation : **Ph.D. Supervisor**

E-mail: sudeep.tanwar@nirmauni.ac.in

Prof. (Dr.) Sherali Zeadally, Senior Member, IEEE

University Research Professor,
College of Communication and Information University of Kentucky, USA
315 Little Library Building
College of Communication and Information
University of Kentucky Lexington, KY 40506-0224
Relation : **Collaborator**

E-mail: szeadally@uky.edu

Dr. Joel J. P. C. Rodrigues, Fellow of IEEE

Professor, National Institute of Telecommunications (Inatel)
Santa Rita do Sapucaí, MG, Brazil; Instituto de Telecomunicações, Portugal
Federal University of Piauí, Teresina - PI, Brazil
Relation : **Collaborator**

E-mail: joeljr@ieee.org

Dr. Neeraj Kumar, Senior Member, IEEE

Dean and Professor Department of Computer Science & Engineering
Thapar University, Patiala, Punjab (India)
Relation : **Academic Mentor**

E-mail: neeraj.kumar@thapar.edu

